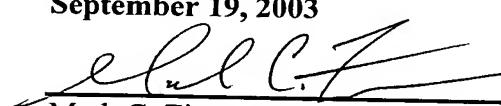




PATENT  
Docket No. 20063/10001

**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Applicants: Jang et al.	)	I hereby certify that this paper is
Serial No.: 10/606,693	)	being deposited with the United
Filed: June 26, 2003	)	States Postal Service with
For: "Methods for Making Shallow	)	sufficient postage as first class
Trench-Type Pixels for CMOS Image	)	mail in an envelope addressed to:
Sensors"	)	Commissioner for Patents, P.O.
Group Art Unit: Unknown	)	Box 1450, Alexandria, VA 22313-
Examiner: Unknown	)	1450 on this date:
	)	<b>September 19, 2003</b>
	)	
	)	Mark C. Zimmerman
	)	Registration No. 44,006
	)	Attorney for Applicant(s)

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The patents and/or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 CFR §§ 1.56, 1.97, and 1.98. Copies of the patents or publications are enclosed.

## TIME OF FILING

This information disclosure statement is being filed:

☒ 1. with the application or within three months of the filing date of the application or date of entry into the national stage of an international application or, to the best of the undersigned's knowledge, before the mailing date of a first Office action on the merits, whichever event occurs last. In accordance with 37 CFR §1.97(b), no certification or fee is required.

☐ 2. after the time period specified in paragraph 1 above, but, to the best of the undersigned's knowledge, before the mailing date of a final action under 37 CFR §1.113 or notice of allowance under 37 CFR §1.311. Therefore, in accordance with 37 CFR §1.97(c), submitted herewith is:

**(check either A or B below)**

- A. ☐ a certification as specified in 37 CFR §1.97(e).
- B. ☐ the fee set forth in 37 CFR §1.17(p) for submission of an information disclosure statement under 37 CFR §1.97(c).

☐ 3. after the mailing date of either a final action under 37 CFR §1.113 or a notice of allowance under 37 CFR §1.311, whichever occurs first, but before payment of the issue fee. Therefore, Applicant submits herewith:

- A. ☐ a certification as specified in 37 CFR §1.97(e);
- B. ☐ the petition fee set forth in 37 CFR §1.17(i); and
- C. ☐ the accompanying petition under 37 CFR §1.97(d).

## METHOD OF PAYMENT

- ☒ No fee is required.
- ☐ Attached is a check in the amount of \$


The Commissioner is authorized to charge any fee deficiency required by this paper, or credit any overpayment, to Deposit Account No. 50-2455. A copy of this paper is enclosed.

Correspondence Address:

Respectfully submitted,

GROSSMAN & FLIGHT, LLC.  
20 N. Wacker Drive  
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Chicago, Illinois 60606  
(312) 580-1020

By:

  
Mark C. Zimmerman  
Registration No.: 44,006

September 19, 2003



Form PTO-1449 (Modified)  
U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No.  
20063/10001

Serial No.  
10/606,693

Applicant  
Jang et al.

Filing Date  
June 26, 2003

Group Art Unit  
Unknown

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS		DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		U.S. 6,500,692	12-31-02	Methods of Making Thrench Photosensor for a CMOS Imager	438	73	02-14-01
		U.S. 6,177,333	01-23-01	Method for Making a Thench Isolation for Semiconductor Devices	438	433	
		U.S. 6,372,603	04-16-02	Photodiode with Thightly-Controlled Junction Profile For CMOS Image Sensor with STI Process	438	424	07-07-00

FOREIGN PATENT DOCUMENTS

*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)


EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.